

## Environmental Chemistry

Sep. 29 - Sep. 30, 2013

Room H

Chaired by Toshiaki Yoshioka (Tohoku Univ.) and Hideyuki Tagaya (Yamagata Univ.)

### Sep. 29 (Sun.)

**9:00 - 11:00**    **Chaired by Toshiaki Yoshioka (Tohoku University)**

- 9:00 - 9:40    29H1    Hideki Ishida (Tohoku University, Japan)  
                  "Creating New Wave of the Technology and the Way of Life Nature  
                  Technology"
- 9:40 - 10:20    29H2    Akira Oku (Kyoto Institute of Technology, Japan)  
                  "Rekindle True Concept of the Environment vs. Chemical Technology. "Content  
                  to be Content" Issue for Offspring"
- 10:20 - 11:00    29H3    Shu Yin and Tsugio Sato (Tohoku University, Japan)  
                  "Synthesis of Composite Type Photocatalysts with Enhanced Solar Light  
                  Utilization Efficiency"

### Sep. 30 (Mon.)

**9:00 - 10:45**    **Chaired by Hideyuki Tagaya (Yamagata University)**

- 9:00 - 9:15    30H1    Fumio Hamada (Akita University, Japan)  
                  "Metal Extraction Capability based on Phosphine Modified Thiocalixarene  
                  System"
- 9:15 - 9:30    30H2    Shintaro Ishiyama (Japan Atomic Energy Agency, Japan)  
                  "Reclamation of Irradiation Contaminated Soil by Supercritical Fluid Washing  
                  Technique"
- 9:30 - 9:45    30H3    Qiang Dong (Tohoku University, Japan)  
                  "Novel Oxygen Storage Materials and Their Automotive Three-way Catalytic  
                  Application"
- 9:45 - 10:00    30H4    Peilin Zhang (Noritake Co., Limited, Japan)  
                  "Mg-Al Hybrid Lamellar Double Hydroxide and its Ionic Conductivity"
- 10:00 - 10:15    30H5    Kuniaki Nagamine (Tohoku University, Japan)  
                  "Hydrogel-base Sensor for in Vitro Metabolic Assay of Contractile Skeletal  
                  Muscle Cells"
- 10:15 - 10:30    30H7    Kenji Mishima (The University of Tokyo, Japan)  
                  "First Principles Design of Dye Molecules Efficient for Dye-sensitized Solar  
                  Cells"